



Atty Docket No. 7352-2003B

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Köster et al.

Serial No.: 08/933,792

Filing Date: September 19, 1997

For: COMPOSITIONS AND METHODS FOR IMMOBILIZING NUCLEIC ACIDS
TO SOLID SUPPORTS

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Assistant Commissioner for Patents
Washington, D.C. 20231

RECEIVED

JUL 23 1998

CUSTOMER
SERVICE CENTER

Dear Sir:

SEQUENOM, INC., a corporation organized under the laws of the State of Delaware, with a current business address of 11555 Sorrento Valley Road, San Diego, California 92121, U.S.A., is the Assignee of the entire right, title and interest in the above-captioned patent application by virtue of an Assignment from the inventors. A copy of the Assignment from the inventors to SEQUENOM, INC. is attached hereto.

The undersigned (whose title is supplied below) is empowered to act on behalf of the Assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SEQUENOM, INC.

Date:

7.13.98

Stephen Zaniboni
Secretary

I, Hubert Köster, in consideration of One Dollar and other valuable consideration paid to me by
SEQUENOM, INC.

a corporation of Delaware, having its principal place of business at 11555 Sorrento Valley Road, Suite C, San Diego, California 92121, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

SEQUENOM, INC.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

Compositions and Methods for Immobilizing Nucleic Acids to Solid Supports

described in an application

X Serial No. 08/933,792 filed on September 19, 1997

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

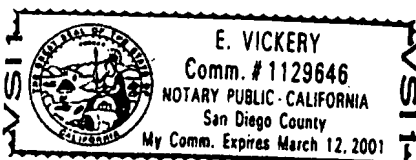
WITNESS my hand and seal this 12th day of JANUARY, 1998 *Lo*

By:

Hubert Köster

State of *CALIFORNIA*)
)ss
County of *SAN DIEGO*)

Then personally appeared the above named Hubert Köster and acknowledged the foregoing instrument to be his free act and deed, before me, this 12th day of JANUARY, 1998 *JD*



Notary Public

My commission expires: 3-12-2001

A S S I G N M E N T

I, DAVID M. LOUGH, a citizen of the United Kingdom, residing at 32 Deanhead Road, Eyemouth, Berwickshire TD14 55A, Scotland, United Kingdom, for good and valuable consideration, have assigned and do hereby assign to SEQUENOM, INC., a corporation organized under the laws of Delaware, having its principal place of business at San Diego, California, U.S.A., its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Serial No. 08/933,792 entitled:

COMPOSITIONS AND METHODS FOR IMMOBILIZING
NUCLEIC ACIDS TO SOLID SUPPORTS

which was filed on September 19, 1997, and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

DATE:

5/14/98

David Lough
DAVID M. LOUGH

ASSIGNMENT
Köster et al.

Atty. Docket No. 7352-2003B

WITNESSED:

DATE: 5/14/98

Debra Robertson
[SIGNATURE OF WITNESS]

DEBRA ROBERTSON
[PRINTED NAME OF WITNESS]

WITNESSED:

DATE: 5/14/98

Jacqueline L. Cron
[SIGNATURE OF WITNESS]

JACQUELINE L. CRON
[PRINTED NAME OF WITNESS]

ASSIGNMENT

I, Dirk Reuter, in consideration of One Dollar and other valuable consideration paid to me by
SEQUENOM, INC.

a corporation of Delaware, having its principal place of business at 11555 Sorrento Valley Road, Suite C, San Diego, California 92121, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

SEQUENOM, INC.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

Compositions and Methods for Immobilizing Nucleic Acids to Solid Supports

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X Serial No. 08/933,792 filed on September 19, 1997

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 14 day of NOVEMBER, 1997.

By: Dirk Reuter
Dirk Reuter

State of)
County of)ss

Then personally appeared the above named Dirk Reuter and acknowledged the foregoing instrument to be his free act and deed, before me, this ____ day of _____, 1997.

Notary Public
My commission expires:

33 CASTLEVIEW AVE
PAISLEY PAZ 85E

A S S I G N M E N T

OK

Scott Higgins
2 June 1998

I, SCOTT HIGGINS, a citizen of the United Kingdom, residing at ~~Haselweg 1, 22880 Wedel, Germany,~~ for good and valuable consideration, have assigned and do hereby assign to SEQUENOM, INC., a corporation organized under the laws of Delaware, having its principal place of business at San Diego, California, U.S.A., its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Serial No. 08/933,792 entitled:

COMPOSITIONS AND METHODS FOR IMMOBILIZING
NUCLEIC ACIDS TO SOLID SUPPORTS

which was filed on September 19, 1997, and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

DATE: 2 JUNE 1998

Scott Higgins
SCOTT HIGGINS

ASSIGNMENT
Köster et al.

Atty. Docket No. 7352-2003B

WITNESSED:

DATE: 2nd June 1998

Susan Cochran
[SIGNATURE OF WITNESS]

SUSAN COCHRANE
[PRINTED NAME OF WITNESS]

WITNESSED:

DATE: 2nd June 1998

James White
[SIGNATURE OF WITNESS]

JAMES WHITE
[PRINTED NAME OF WITNESS]

Documents-Register No. 2231/1997

This is to certify that before me

Börries de G r a h l

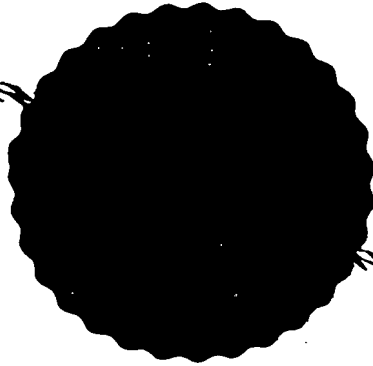
Max-Brauer-Allee 50, D-22765 Hamburg,

a Notary Public in and for the Free and Hanseatic City of Hamburg, Federal Republic of Germany, duly admitted and sworn, appeared this 14th day of November, 1997 in person

Dr. Dirk Josef R e u t e r ,
born 07. April 1957,
residing at: Zylberbergstraße 1, 22457 Hamburg,

identified by Indenty Card, the notary, and acknowledged that he signed and executed the foregoing instrument, as his free and voluntary act and deed, for the uses and purposes therein set forth.

Given under my hand and Notarial seal, this 14th day of November, 1997.




(Notary Public)